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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|----|-----------------|---|---|---|---|---|---|----------|-------------------|-------|----------|----------------------------|
| M | AA | 3 | 9 | 6 | 1 | 0 | 9 | 7 | 6/01/76 | Gravlee, Jr. | | | |
| | AB | 4 | 6 | 1 | 5 | 9 | 8 | 4 | 10/7/86 | Stoker | | | 10/7/86 U.S. PTO |
| | AC | 4 | 8 | 3 | 9 | 1 | 9 | 4 | 6/13/89 | Malluche et al. | | | 6/13/89 U.S. PTO |
| | AD | 4 | 8 | 9 | 1 | 2 | 3 | 9 | 1/02/90 | Dudley et al. | | | 1/02/90 U.S. PTO |
| | AE | 4 | 9 | 6 | 1 | 8 | 6 | 0 | 10/9/90 | Masri | | | 10/9/90 U.S. PTO |
| | AF | 5 | 0 | 8 | 9 | 2 | 8 | 8 | 2/18/92 | Berger | | | |
| | AG | 5 | 1 | 6 | 4 | 0 | 9 | 4 | 11/17/92 | Stuckart | | | |
| | AH | 5 | 8 | 5 | 3 | 9 | 9 | 4 | 12/29/98 | Gopinathan et al. | | | |
| M | AI | 6 | 0 | 8 | 6 | 8 | 2 | 1 | 7/11/00 | Lee | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|----|-----------------|----------|---------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | AJ | 1 0 5 6 9 7 7 | 11/30/03 | SU | | | XX | |

NON-PATENT DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|--|
| AK | Arnett, G.E. and Low, F.N., "Ultrasonic Microdissection of Rat Cerebellum for Scanning Electron Microscopy", <i>Scanning Electron Microscopy</i> 1985; pp 247-255 |
| AL | Beckstead, J.H., "A Simple Technique for Preservation of Fixation-sensitive Antigens in Paraffin-embedded Tissues", <i>Journal of Histochemistry and Cytochemistry</i> , 1994; 42(8):1127-1134 |
| AM | Boon, M.E., et al. "Microwave irradiation of human brain tissue: production of microscopic slides within one day", <i>J. Clin. Path.</i> , 1988; 41:590-593 |
| AN | Bosward, K.L., et al. "Heating of Guinea Pig Fetal Brain During Exposure to Pulsed Ultrasound", <i>Ultrasound in Med. & Biol.</i> , 1993; 19(5):415-424 |

EXAMINER *W.W.* DATE CONSIDERED *1/25/03*

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| NON-PATENT DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | |
| | AO | Botsman, N.E. and Bobrova, G.G., "An accelerated method of making histological preparations with the use of ultrasonics", <i>Arkh Patol.</i>, 1968; 30(1):72-75 (with 2 pp. translation and 1 p. PubMed) | | |
| M | AP | Chen, R., et al. "Ultrasound-Accelerated Immunoassay, as Exemplified by Enzyme Immunoassay of Choriogonadotropin", <i>Clinical Chemistry</i> , 1984; 30(9):1446-1450 | | |
| | AQ | Crouse, C., et al. "Extraction of DNA from Forensic-Type Sexual Assault Specimens Using Simple, Rapid Sonification Procedures". <i>BioTechniques</i>, 1993; 15(4):641, 642, 644, 646, 648 (missing pages are advertisements) | | |
| | AR | Drakhil, E. "Methods of using ultrasonics in a quick histological treatment of tissues", <i>Arkh Patol.</i>, 1967; 29(3):81-82 (with 2 pp. translation and 1 p. PubMed) | | |
| M | AS | Grundy, M.A., et al. "Increased sensitivity of diagnostic latex agglutination tests in an ultrasonic standing wave field", <i>Journal of Immunological Methods</i> , 1994; 176:169-177 | | |
| | AT | Jenkins, P., et al. "Detection of meningitis antigens in buffer and body fluids by ultrasound-enhanced particle agglutination", <i>Journal of Immunological Methods</i> , 1997; 205:191-200 | | |
| | AU | Jepras, R.I., et al. "Agglutination of <i>Legionella pneumophila</i> by antiserum is accelerated in an ultrasonic standing wave", <i>Journal of Immunological Methods</i> , 1989; 120:201-205 | | |
| | AV | King, J.A.C. and Hossler, F.E. "The gill arch of the striped bass, <i>Morone saxatilis</i> . III. Morphology of the basal lamina as revealed by various ultrasonic microdissection procedures", <i>J. Submicrosc. Cytol. Pathol.</i> , 1988; 20(2):371-377 | | |
| | AW | Kondo, T. et al. "Damage in DNA Irradiated with 1.2 MHz Ultrasound and Its Effect on Template Activity of DNA for RNA Synthesis", <i>Radiation Research</i> , 1985; 104:284-292 | | |
| | AX | Kost, J., et al. "Enhanced Protein Blotting from PhastGel Media to Membranes by Irradiation of Low-Intensity Ultrasound", <i>Analytical Biochemistry</i> , 1994; 216:27-32 | | |
| | AY | Leong, A.S-Y "Microwave Fixation and Rapid Processing in a Large Throughput Histopathology Laboratory", <i>Pathology</i> , 1991; 23:271-273 | | |
| M | AZ | Login, G.R., et al. "Rapid Microwave Fixation of Human Tissues for Light Microscopic Immunoperoxidase Identification of Diagnostically Useful Antigens", <i>Laboratory Investigation</i> , 1987; 57(5):585-591 | | |
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| NON-PATENT DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | |
| | AAA | Ma, Y. and Yeung, E.S. "Effect of Ultrasound on the Separation of DNA Fragments in Agarose Gel Electrophoresis", <i>Analytical Chemistry</i> , June 1, 1990; 62(11):1194-1196 | | |
| NY | AAB | Matsuta, M., et al. "Applications of DNA Flow Cytometry and Fluorescence <i>In situ</i> Hybridization Using a Chromosome-specific DNA Probe on Paraffin-embedded Tissue Sections of Primary Malignant Melanomas", <i>Journal of Dermatology</i> , 1994; 21:14-19 | | |
| | AAC | Nishimura, R., et al. "Improved Lipid Visualization with a Modified Osmium Tetroxide Method Using Ultrasonic Treatment and Intensification with Imidazole or Triazole", <i>Biotechnic & Histochemistry</i> , 1995; 70(1):28-32 | | |
| | AAD | Obertyshev, V.G. "Ultrasonic express paraffin handling of histological specimens", <i>Sud Med Ekspert</i> , 1987; 30(4):56-58 (with 2 pp. translation and 1 p. PubMed) | | |
| NY | AAE | Podkletnova, I. and Alho, H. "Ultrasound-amplified Immunohistochemistry", <i>Journal of Histochemistry and Cytochemistry</i> , 1993; 41(1):51-56 | | |
| | AAF | Polonyi, J., et al. "Glutaraldehyde Fixation of Animal Tissues for Electron Microscopy Accelerated by Ultrasound", <i>Bratisl. Lek. Listy.</i> , 1984; 81:566-573 (only the abstract is translated) | | |
| | AAG | Rozenberg, V.D. "The Results and prospects of using ultrasound in pathohistological practice", <i>Arkh Patol</i> , 1991; 53(6):68-69 (with 2 pp. translation and 1 p. PubMed) | | |
| | AAH | Shmurun, R.I. "Methods for the rapid preparation of paraffin blocks", <i>Arkh Patol</i> , 1992; 54(9):46-47 (with 2 pp. translation and 1 p. PubMed) | | |
| NY | AAI | Sinisterra, J.V. "Application of ultrasound to biotechnology: an overview", <i>Ultrasonics</i> , 1992; 30(3):180-185 | | |
| NY | AAJ | Williams, J.H., et al. "Tissue preparation for immunocytochemistry", <i>J. Clin. Pathol.</i> , 1997; 50:422-428 | | |
| | AAK | Yasuda, K., et al. "Application of Ultrasound for Tissue Fixation: Combined Use with Microwave to Enhance the Effect of Chemical Fixation", <i>Acta Histochem. Cytochem.</i> , 1992; 25(1&2):237-244 | | |
| | AAL | Yasuda, K. "Use of Ultrasound for Tissue Fixation", Proceedings of the Histochemical Society, Abstract 186, p. 1060 | | |
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